BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE
M.A.R.57(Rule116), Measurement book
Third and Final Bill

Name of the work: **Improvements to Roads, Drains and Drilling Borewells in ward No 09, 10 & 11 of Vidyaranyapura sub Division.**

Name of contractor: Sri. Alankar K.B, # 12, MSV Network Road, near Shobha Apartment, Amruthahalli, Sahakaranagara (p), Bangalore – 560 092.

Date of commencement of work:

Sl. No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. Ii) dismantling brick / tile work, A, in lime mortar, etc complete as per specifications and directions of engineer in charge of the work	Cum								
	Compound Wall		1	25.00		0.20	1.50	7.50		
	SSM Wall		1	25.00		0.45	0.45	5.06		
			1	30.00		0.60	0.45	8.10		
								20.66	244.75	**5057.00**
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. Ii) dismantling brick / tile work, B cement concrete grade M-15 & M-20, etc complete as per specifications and directions of engineer in charge of the work	Cum								
	Previous Qty							467.93		
	Present Qty							NIL		
3	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum								
	Previous Qty							**2819.76**		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl. No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
	For RCC Drain									
	Kempgowdanagara R/S		1x1	30.00		1.00	0.90	27.00		
			1x1	30.00		1.00	0.90	27.00		
			1x1	30.00		1.00	0.90	27.00		
			1x1	13.70		1.00	0.90	12.33		
	Thindlu Compound Wall		1x2	30.00		1.00	0.90	54.00		
	Culvert		1	8.00		2.00	1.20	19.20		
	Desilting of Drains		2x8	30.00		0.45	0.35	75.60		
			2	15.80		0.45	0.45	6.40		
			2x7	30.00		0.45	0.40	75.60		
			2	25.50		0.45	0.35	8.03		
			2x8	30.00		0.45	0.40	86.40		
			2	22.90		0.45	0.45	9.27		
			2x5	30.00		0.45	0.30	40.50		
			2	16.70		0.45	0.40	6.01		
			2x6	30.00		0.45	0.40	64.80		
			2	29.40		0.45	0.35	9.26		
			2x8	30.00		0.45	0.45	97.20		
			2	27.30		0.45	0.40	9.83		
			2x6	30.00		0.45	0.35	56.70		
			2	25.20		0.45	0.45	10.21		
	Total Executed Qty							**3542.10**		
	Previous Qty							**-2819.76**		
	Present Qty							**722.34**	81.23	**58676.00**
4	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16**	Sqm								
	Previous Qty							6059.88		
	Present Qty							NIL		
5	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16**	Sqm								
	Previous Qty		Qty Vide Item No. 4					6059.88		
	Present Qty							NIL		
6	KSRB 4-1.3 : Providing and laying in position *plain cement concrete of* ***mix 1:4:8 with OPC cement @ 180 kgs with 40mm*** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in *foundation and plinth, including cost of all* materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum								
	Previous Qty							**440.31**		
	Kempgowdanagara R/S		1x1	30.00		1.00	0.15	4.50		
			1x1	30.00		1.00	0.15	4.50		
			1x1	30.00		1.00	0.15	4.50		
			1x1	13.70		1.00	0.15	2.06		
	Thindlu Compound Wall		1x2	30.00		1.00	0.15	9.00		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl. No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
	Culvert		1	8.00		2.00	0.15	2.40		
	Total Executed Qty							**467.27**		
	Previous Qty							**-440.31**		
	Present Qty							**26.96**	4952.96	**133507.00**
7	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2015-16**	Cum								
	Previous Qty							**16.80**		
	For Compound Wall Foundation		1	30.00		0.75	0.60	13.50		
			1	30.00		0.45	0.45	6.08		
	Basavasamithi Main Road		1x2	8.00		0.60	1.00	9.60		
	Total Qty							**45.98**		
	Deduct Previous Qty							-16.80		
	Present Qty							**29.18**	4039.38	**117849.00**
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing	Sqm								
	Previous Qty							**28.00**		
	For Compound Wall Foundation		2	30.00			1.20	72.00		
	Basavasamithi Main Road		1x2	8.00			1.00	16.00		
	Total Qty							**116.00**		
	Deduct Previous Qty							-28.00		
	Present Qty							**88.00**	93.89	**8262.00**
9	KSRB-4-1.1 : Providing and laying in position plain cement concrete of **mix 1:2:4 with OPC cement @ 240 kgs with 40mm** and down size graded granite metal coarse aggregares @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, **No. 12 / Item No. 4.1 / PWD SR 2015-16**	Cum								
	Previous Qty							**16.60**		
	Thindlu Compoun Wall		1	30.00		0.45	0.10	1.35		
	Drain Coping									
	Basavasmithi 2nd B Cross		4	30.00		0.20	0.10	2.40		
			4	30.00		0.20	0.10	2.40		
			4	18.00		0.20	0.10	1.44		
	2nd C Cross		4	30.00		0.20	0.10	2.40		
			4	30.00		0.20	0.10	2.40		
			4	18.50		0.20	0.10	1.48		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
	1st Cross		4	30.00		0.20	0.10	2.40		
			4	15.60		0.20	0.10	1.25		
	1st A Cross		4	30.00		0.20	0.10	2.40		
			4	30.00		0.20	0.10	2.40		
			4	30.00		0.20	0.10	2.40		
			4	11.80		0.20	0.10	0.94		
	Ganesh Layout Flagging Course		2x2	30.00		0.20	0.10	2.40		
			2x2	30.00		0.20	0.10	2.40		
			2x2	11.00		0.20	0.10	0.88		
			4	30.00		0.20	0.10	2.40		
			4	30.00		0.20	0.10	2.40		
			4	20.00		0.20	0.10	1.60		
	Drain Vent Concrerte		2x2	30.00		0.45	0.10	5.40		
			2x2	30.00		0.45	0.10	5.40		
			2x2	11.00		0.45	0.10	1.98		
	Coping for CDs		1	8.00		2.00	0.10	1.60		
	Ramp for CDs		1x2	8.00		1.00	0.15	2.40		
	Total Qty							**71.12**		
	Deduct Previous Qty							-16.60		
	Present Qty							**54.52**	5363.34	**292420.00**
10	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16**	Sqm								
	Previous Qty							**192.00**		
	Thindlu Compoun Wall		1	30.00			1.60	48.00		
	Basavasmithi 2nd B Cross		2	30.00			0.40	24.00		
			2	30.00			0.40	24.00		
			2	18.00			0.40	14.40		
	2nd C Cross		2	30.00			0.40	24.00		
			2	30.00			0.40	24.00		
			2	18.50			0.40	14.80		
	1st Cross		2	30.00			0.40	24.00		
			2	15.60			0.40	12.48		
	1st A Cross		2	30.00			0.40	24.00		
			2	30.00			0.40	24.00		
			2	30.00			0.40	24.00		
			2	11.80			0.40	9.44		
	Total Qty							**483.12**		
	Deduct Previous Qty							**-192.00**		
	Present Qty							**291.12**	994.81	**289609.00**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2015-16**	Cum								
Previous Qty							**185.85**		
Kempgowdanagara R/S Bottom		1x1	30.00		0.90	0.15	4.05		
		1x1	30.00		0.90	0.15	4.05		
		1x1	30.00		0.90	0.15	4.05		
		1x1	13.70		0.90	0.15	1.85		
Kempgowdanagara R/S Side Walls		2x1	30.00		0.15	0.60	5.40		
		2x1	30.00		0.15	0.60	5.40		
		2x1	30.00		0.15	0.60	5.40		
		2x1	13.70		0.15	0.60	2.47		
Covering Slab		2x1	30.00		0.90	0.10	5.40		
		2x1	30.00		0.90	0.10	5.40		
		2x1	30.00		0.90	0.10	5.40		
		2x1	13.70		0.90	0.10	2.47		
		2x1	30.00		0.90	0.10	5.40		
		2x1	30.00		0.90	0.10	5.40		
		2x1	30.00		0.90	0.10	5.40		
		2x1	13.70		0.90	0.10	2.47		
Basavasmithi 2nd B Cross Covering		2	30.00		0.90	0.10	5.40		
		2	30.00		0.90	0.10	5.40		
		2	18.00		0.90	0.10	3.24		
2nd C Cross		2	30.00		0.90	0.10	5.40		
		2	30.00		0.90	0.10	5.40		
		2	18.50		0.90	0.10	3.33		
1st Cross		2	30.00		0.90	0.10	5.40		
		2	15.60		0.90	0.10	2.81		
1st A Cross		2	30.00		0.90	0.10	5.40		
		2	30.00		0.90	0.10	5.40		
		2	30.00		0.90	0.10	5.40		
		2	11.80		0.90	0.10	2.12		
Ganesh Layout		2	30.00		0.90	0.10	5.40		
		2	30.00		0.90	0.10	5.40		
		2	11.00		0.90	0.10	1.98		
Culvert Covering Slab		1	8.00		1.80	0.25	3.60		
Total Qty							**326.93**		

CHECKED 24/07

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
	Deduct Previous Qty							**-185.85**		
	Present Qty							**141.08**	6054.32	**854140.00**
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum								
	Previous Qty							**325.01**		
	Present Qty							NIL		
13	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **174 / Item No. 22.7 / PWD SR 2015-16**	Sqm								
	Previous Qty							**2450.39**		
	Present Qty							NIL		
14	Providing groove cutting for **cement pavement** wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications **Page No. 175 / Item No. 22.8.1 / PWD SR 2015-16**	Rmt								
	Previous Qty							**215.40**		
	Present Qty							NIL		
15	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 10 cms thick **Page No. 25 / Item No. 5.31.2 / PWD SR 2015-16**	Sqm								
	Previous Qty							**371.25**		
	Present Qty							NIL		
16	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 24 / Item No. 5.22 / PWD SR 2015-16**	m								

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
	Previous Qty							**216.00**		
	Present Qty							NIL		
17	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 24 / Item No. 5.18/ PWD SR 2015-16**	Sqm								
	Previous Qty							**32.40**		
	Missing Slab		2	30.00			1.35	81.00		
			2	20.00			1.35	54.00		
			2	30.00			1.35	81.00		
			2	9.00			1.35	24.30		
			1	30.00			1.35	40.50		
			1	5.00			1.35	6.75		
	LG Enclave Main Road		1	25.00			1.35	33.75		
			1	13.00			1.35	17.55		
	Total Qty							**371.25**		
	Deduct Previous Qty							**-32.40**		
	Present Qty							**338.85**		
								8.10	903.03	**7315.00**
								330.75	941.19	**311299.00**
18	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne								
	Previous Qty							**11.15**		
	Present Qty							**17.12**	68186.31	**1167350.00**
19	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm								
	Previous Qty							**1759.24**		
	Present Qty							**NIL**		
20	Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm								

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
	Kempgowdanagara R/S		4x1	30.00			0.60	72.00		
			4x1	30.00			0.60	72.00		
			4x1	30.00			0.60	72.00		
			4x1	13.70			0.60	32.88		
			1x1	30.00		0.60		18.00		
			1x1	30.00		0.60		18.00		
			1x1	30.00		0.60		18.00		
			1x1	13.70		0.60		8.22		
			2x1	30.00			0.15	9.00		
			2x1	30.00			0.15	9.00		
			2x1	30.00			0.15	9.00		
			2x1	13.70			0.15	4.11		
			1	8.00		0.60		4.80		
			2	8.00			0.25	4.00		
			2	1.60			0.25	0.80		
	Basavasmithi 2nd B Cross Covering		4	30.00		0.60		72.00		
			2	18.00		0.60		21.60		
	2nd C Cross		4	30.00		0.60		72.00		
			2	18.50		0.60		22.20		
	1st Cross		4	30.00		0.60		72.00		
			2	15.60		0.60		18.72		
	1st A Cross		6	30.00		0.60		108.00		
			2	11.80		0.60		14.16		
	Total Qty							**752.49**	321.76	**242121.00**
21	KSRB 15-3.8:- Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 113 / Item No. 15.15 / PWD SR 2015-16**	Sqm								
	Total Qty Compound Wall		2	30.00			1.65	**99.00**		
								99.00	221.54	**21932.00**
22	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. **Page No. 25 / Item No. 5.30 / PWD SR 2015-16**	Nos								
	Thindlu GKVK Joining Road		2	50.00				222		
				0.45						
	For Open Gym Equipment flatform		4	15.00				133		
				0.45						
			4	6.00				53		
				0.45						
	For Children Play Equipment flatform		4	15.00				133		
				0.45						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
			4	6.00				53		
				0.45						
			2	30.00				133		
				0.45						
			2	30.00				133		
				0.45						
			2	27.50				122		
				0.45						
			4	30.00				267		
				0.45						
			2	22.80				101		
				0.45						
			4	30.00				267		
				0.45						
			2	18.00				80		
				0.45						
								1699	313.32	**532365.00**
23	KSRB 15.19.1 : Providing and applying ready mix **priming coat over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after throughtly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.80 / PWD SR 2015-16**	Sqm								
	Thindlu GKVK Joining Road		2	50.00			0.35	35.00		
	For Open Gym Equipment flatform		2	15.00			0.35	10.50		
			2	6.00			0.35	4.20		
	For Children Play Equipment flatform		2	15.00			0.35	10.50		
			2	6.00			0.35	4.20		
			2	30.00			0.35	21.00		
			2	30.00			0.35	21.00		
			2	27.50			0.35	19.25		
			4	30.00			0.35	42.00		
			2	22.80			0.35	15.96		
			4	30.00			0.35	42.00		
			2	18.00			0.35	12.60		
								238.21	26.37	**6282.00**
24	KSRB 15.20.1 : Providing and applying floor **painting with ready mix two coats** (Excluding priming coat) on new s concrete / masonry / asbestos cement sheet / / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 121 / Item No. 15.83 / PWD SR 2015-16**	Sqm								
								238.21		
								238.21	50.64	**12063.00**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
25	KSRRB M300-53: Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) **MORTH specification No. 305, No. 147 / Item No. 19.60 / PWD SR 2015-16**	Cum								
	Kempegowdanagara									
			1	0.00	8.90					
			1	15.00	8.30	8.60	0.45	58.05		
			1	15.00	7.70	8.00	0.45	54.00		
			1	15.00	7.20	7.45	0.45	50.29		
			1	15.00	6.90	7.05	0.45	47.59		
			1	15.00	7.60	7.25	0.45	48.94		
			1	15.00	7.60	7.60	0.45	51.30		
			1	13.70	7.70	7.65	0.45	47.16		
	GKVK Connecting Road									
			1	0.00	7.70					
			1	15.00	8.20	7.95	0.45	53.66		
			1	15.00	8.10	8.15	0.45	55.01		
			1	12.00	7.90	8.00	0.45	43.20		
								509.20		
								509.20	303.82	**154705.00**
26	KSRRB 300-47: scarifying kankar/ gravel/ metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges complete as per specifications MORTH chapter 3, **No. 146 / Item No. 19.53 / PWD SR 2015-16**	Sqm								
	Previous Qty							**6417.59**		
	Present Qty							NIL		
27	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 157 / Item No. 20.18 / PWD SR 2015-16**	Cum								
	Previous Qty							**2480.27**		
	Kempegowdanagara									
			1	0.00	8.90					
			1	15.00	8.30	8.60	0.23	29.67		
			1	15.00	7.70	8.00	0.23	27.60		
			1	15.00	7.20	7.45	0.23	25.70		
			1	15.00	6.90	7.05	0.23	24.32		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
			1	15.00	7.60	7.25	0.23	25.01		
			1	15.00	7.60	7.60	0.23	26.22		
			1	13.70	7.70	7.65	0.23	24.11		
	GKVK Connecting Road									
			1	0.00	7.70					
			1	15.00	8.20	7.95	0.23	27.43		
			1	15.00	8.10	8.15	0.23	28.12		
			1	12.00	7.90	8.00	0.23	22.08		
	Total Executed Qty							**2740.53**		
	Deduct Previous Qty							**-2480.27**		
	Present Qty							**260.26**	1727.06	**449481.00**
28	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means complete as per specifications. MORTH specification NO. 502, **Page No. 160 / Item No. 21.6 / PWD SR 2015-16**	Sqm								
	Previous Qty							**12316.55**		
	Kempegowdanagara									
			1	0.00	8.90					
			1	15.00	8.30	8.60		129.00		
			1	15.00	7.70	8.00		120.00		
			1	15.00	7.20	7.45		111.75		
			1	15.00	6.90	7.05		105.75		
			1	15.00	7.60	7.25		108.75		
			1	15.00	7.60	7.60		114.00		
			1	13.70	7.70	7.65		104.81		
	GKVK Connecting Road									
			1	0.00	7.70					
			1	15.00	8.20	7.95		119.25		
			1	15.00	8.10	8.15		122.25		
			1	12.00	7.90	8.00		96.00		
	Total Executed Qty							**13448.11**		
	Deduct Previous Qty							**-12316.55**		
	Present Qty							**1131.56**	31.65	**35814.00**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
29	KSRRB 500-11: Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead lift and cost including lead, lift and cost of all materials, labour HOM of machineries complete as per specifications **using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen, Page No. 161 / Item No. 21.11.6/ PWD SR 2015-16**	Cum								
	Previous Qty							**191.65**		
	GKVK Connecting Road									
			1	0.00	7.70					
			1	15.00	8.20	7.95	0.05	5.96		
			1	15.00	8.10	8.15	0.05	6.11		
			1	12.00	7.90	8.00	0.05	4.80		
	Total Executed Qty							**208.53**		
	Deduct Previous Qty							**-191.65**		
	Present Qty							**16.88**	6050.10	**102095.00**
30	KSRRB 500-7: Providing and applying **tack coat** using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 160 / Item No. 21.7 / PWD SR 2015-16**	Sqm								
	Previous Qty							**3833.03**		
	GKVK Connecting Road									
			1	0.00	7.70					
			1	15.00	8.20	7.95		119.25		
			1	15.00	8.10	8.15		122.25		
			1	12.00	7.90	8.00		96.00		
	Total Executed Qty							**4170.53**		
	Deduct Previous Qty							**-3833.03**		
	Present Qty							**337.50**	14.77	**4985.00**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
31	KSRRB M500-19: Providing and laying **bituminous concrete** 40mm thick with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH Specificationon NO. 509, **using 40/60 TPH capacity with Mechanical Paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen, Page No. 164 / Item No. 21.22.6/ PWD SR 2015-16**	Cum								
	Previous Qty							**353.86**		
	Kempegowdanagara									
			1	0.00	8.90					
			1	15.00	8.30	8.60	0.04	5.16		
			1	15.00	7.70	8.00	0.04	4.80		
			1	15.00	7.20	7.45	0.04	4.47		
			1	15.00	6.90	7.05	0.04	4.23		
			1	15.00	7.60	7.25	0.04	4.35		
			1	15.00	7.60	7.60	0.04	4.56		
			1	13.70	7.70	7.65	0.04	4.19		
	GKVK Connecting Road									
			1	0.00	7.70					
			1	15.00	8.20	7.95	0.04	4.77		
			1	15.00	8.10	8.15	0.04	4.89		
			1	12.00	7.90	8.00	0.04	3.84		
	Total Executed Qty							**399.12**		
	Deduct Previous Qty							**-353.86**		
	Present Qty							**39.34**	9594.72	**377456.00**
								5.92	7101.86	**42043.00**
32	Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects **with 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (25 mm to 30 mm) with 5 % VG-10 Bitumen** etc complete as per specifications and directions of engineer in charge of the work	Cum								
	Previous Qty							**86.75**		
	Present Qty							NIL		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
33	KSRB 2.10 : Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5m, machine mixed, laid in layers of 15cms, thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. Specification. No. KBS, **Page No. 6 / Item No. 2.17 / PWD SR 2015-16**	Cum								
	For Open Gzy Equipment flatform		2	15.25	6.10		0.45	83.72		
	For Children Play Equipment flatform		2	15.25	6.10		0.45	83.72		
								167.45	303.82	**50873.00**
34	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. **Page No. 101 / Item No. 14.6 / PWD SR 2015-16**	Sqm								
	For Open Gzy Equipment flatform		2	15.25	6.10			186.05		
								186.05	912.53	**169776.00**
35	1031 - Providing J.C.B Excavator on Hire basis including Operator and Fuel (P. XXXXIV/I. 23) PWD SR 2015-16	Day								
	for demolision of buildings		5					**5**	6564.10	**32821.00**
36	1023 - Hire Charges of Tipper including Operator and Fuel (P. XXXXIV / I. 9) PWD SR 2015-16)	Day								
	for Removing the demolised building materials		2x5					**10**	1969.23	**19692.00**
37	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km (PWD SR 2015-16** Rates P No 139)	Cum								
	Previous Qty							**2915.12**		
								3542.10		
	Deduct Previous Qty			Qty Vide Item No.3				**-2915.12**		
	Present							**626.98**	103.87	**65125.00**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
38	Supplying High pressure sodium vapour street light fitting die cast aluminium canopy with aluminium housing for control gear, finished stove enamel gray glassy white canopy interior with a pair of anodized aluminium reflectors with toughened flat glass, gasket lining for drip insect resistance duly wired with porcelain holder copper choke, igniter and HPF condenser including a sodium vapour lamp **.II 250 Watts a) Group 'A'**	Each								
			135					**135.00**	6007.32	**810988.00**
39	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. **b) Using 32mm dia G.I pipe**	Each								
			135					**135.00**	669.11	**90330.00**
40	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class **I. Class 'A' PVC Cable d) 4 core 16sqmm**	Mtr								
			1	30.00				30.00		
			1	15.00				15.00		
								45.00	146.52	**6593.00**
41	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required .II. On wall /Structure **a) 6 sqmm to 16sqmm**	Mtr								
			13	30.00				390.00		
			1	15.00				15.00		
								405.00	17.58	**7120.00**
42	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes **f) 16 sqmm**	Each								
			50					**50.00**	13.68	**684.00**
43	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE **a) 100 Amps 25 kA, 2) Group 'B'**	Each								
			10					**10.00**	3379.73	**33797.00**

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

No	Full description,etc,of work	Unit	No.s	L	B	Av. B	D	Qty	Rate	Amount
44	Supply and Installation/Fixing/Provision for mounting of HRC Fuse /MCB with suitable connector/teminal for 3 Ph/1 Ph connections with Loop-in & Loop-Out terminals for 10 Sqmm/25 sqmm 3.5 C Al/AR/Cu/AR Cable and branchout 2.5 Sqmm 2 Core Al/Cu PVC insulated cable, enclosure, which should be shock proof, safe IP 65 (Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP 65 Thermoplastic, Polyamide glands and /or grommets **a) 200x200x98mm**	Each								
			10					**10.00**	903.54	**9035.00**
45	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Aluminium conductor single core cable in open or consealed system of wiring. **I Group A Materials. e) 10 sqmm**	Mtr								
			8	30.00				240.00		
			1	10.00				10.00		
								250.00	22.47	**5618.00**
46	Supply and fixing of backlite D.P/Socket/switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches Using Group 'A' Material. **a) 32Amps Flush/project type DP switch**	Each								
			155					**155.00**	141.64	**21954.00**
47	Supplying and flush mounting teak wooden box without front plant made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete **b) 12"x9"x3" (300x228x76mm)**	Each								
			30					**30.00**	78.14	**2344.00**
									Total	**6553576.00**

Rupees Sixty Five Lakh(s) Fifty Three Thousand Five Hundred Seventy Six Only

Certificate:

1. Certified that the above work done satisfactory and no materials issued from departmentally.
2. Certified that the Contractor has removed all debris from Work Spot.

Assistant Engineer
WardNo. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97